006260 "86957960

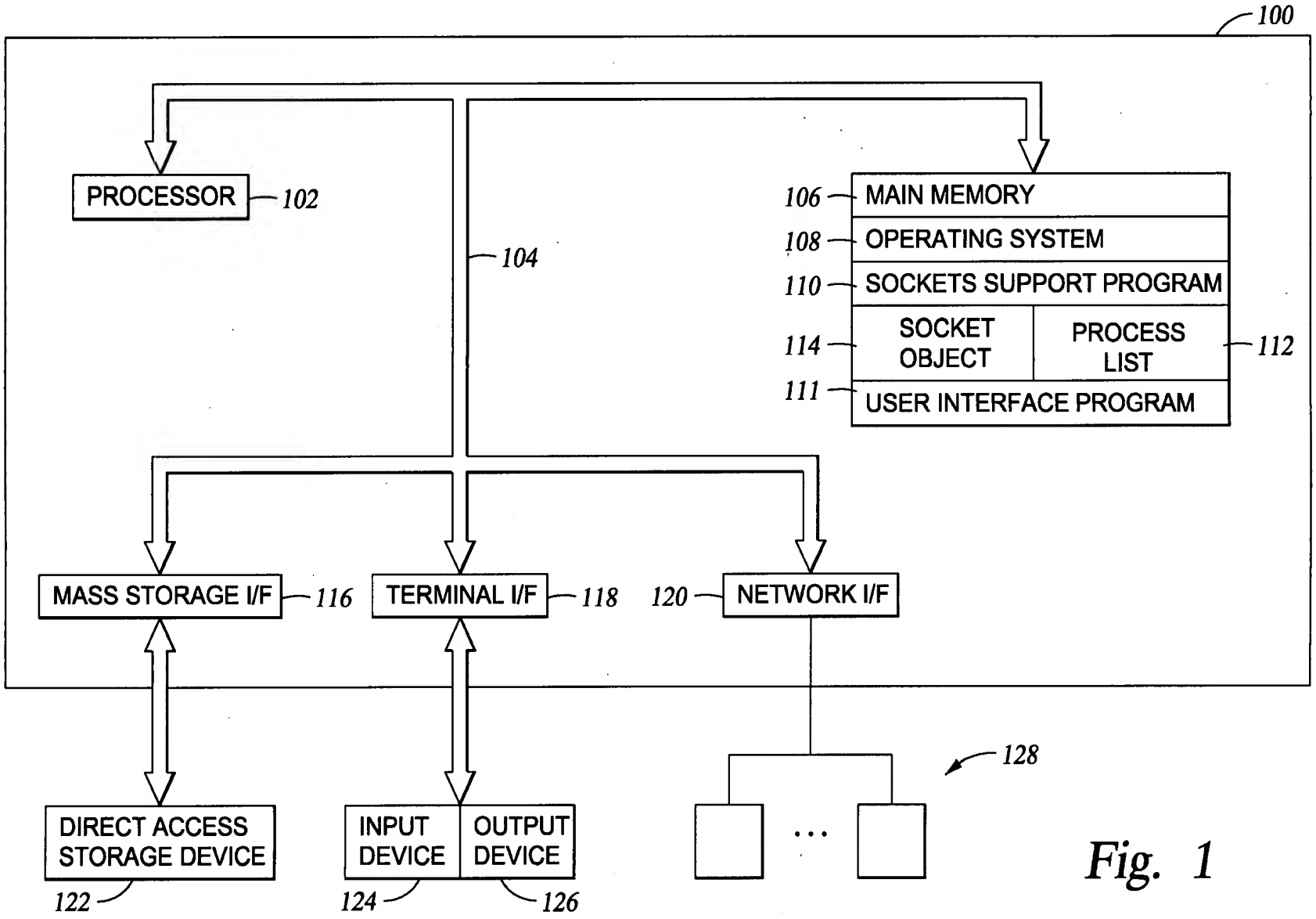

Fig. 1

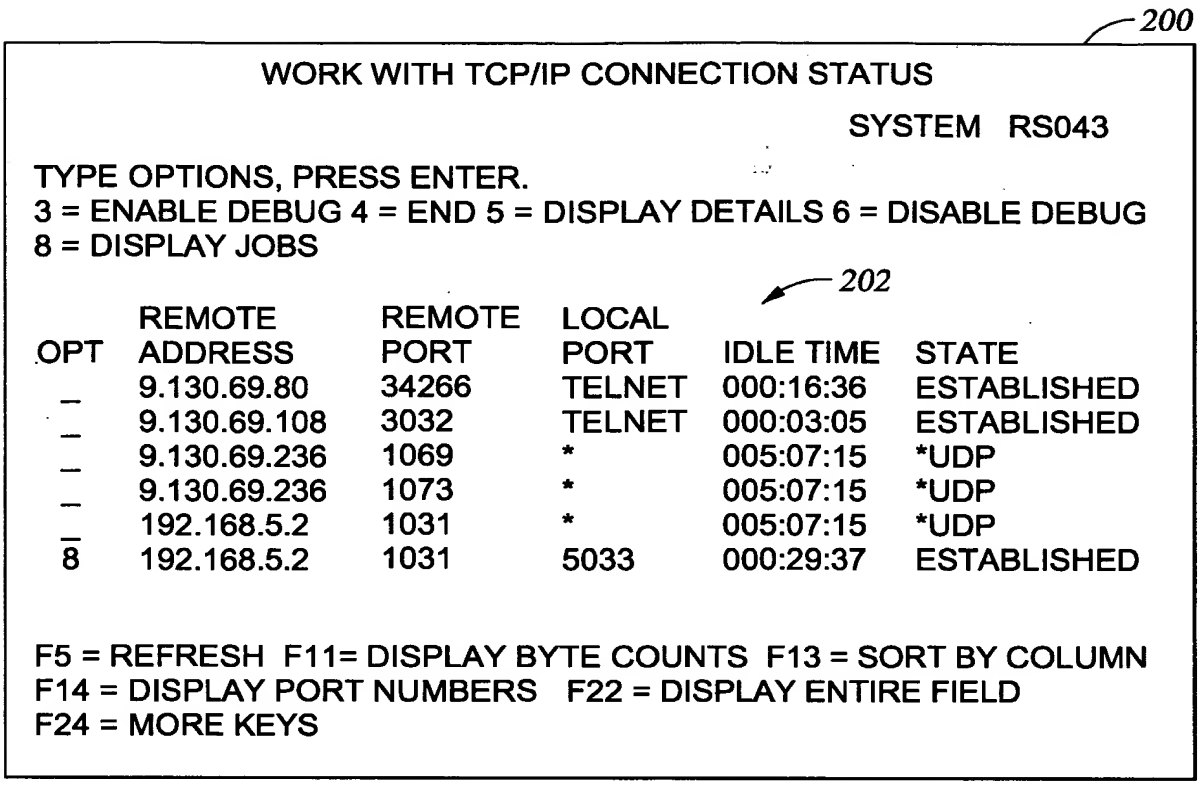
200
WORK WITH TCP/IP CONNECTION STATUS
SYSTEM RS043
TYPE OPTIONS, PRESS ENTER.
3 = ENABLE DEBUG 4 = END 5 = DISPLAY DETAILS 6 = DISABLE DEBUG
8 = DISPLAY JOBS
202
OPT REMOTE ADDRESS REMOTE PORT LOCAL PORT IDLE TIME STATE
_ 9.130.69.80 34266 TELNET 000:16:36 ESTABLISHED
_ 9.130.69.108 3032 TELNET 000:03:05 ESTABLISHED
_ 9.130.69.236 1069 * 005:07:15 *UDP
_ 9.130.69.236 1073 * 005:07:15 *UDP
_ 192.168.5.2 1031 * 005:07:15 *UDP
8 192.168.5.2 1031 5033 000:29:37 ESTABLISHED
F5 = REFRESH F11= DISPLAY BYTE COUNTS F13 = SORT BY COLUMN
F14 = DISPLAY PORT NUMBERS F22 = DISPLAY ENTIRE FIELD
F24 = MORE KEYS

Fig. 2A

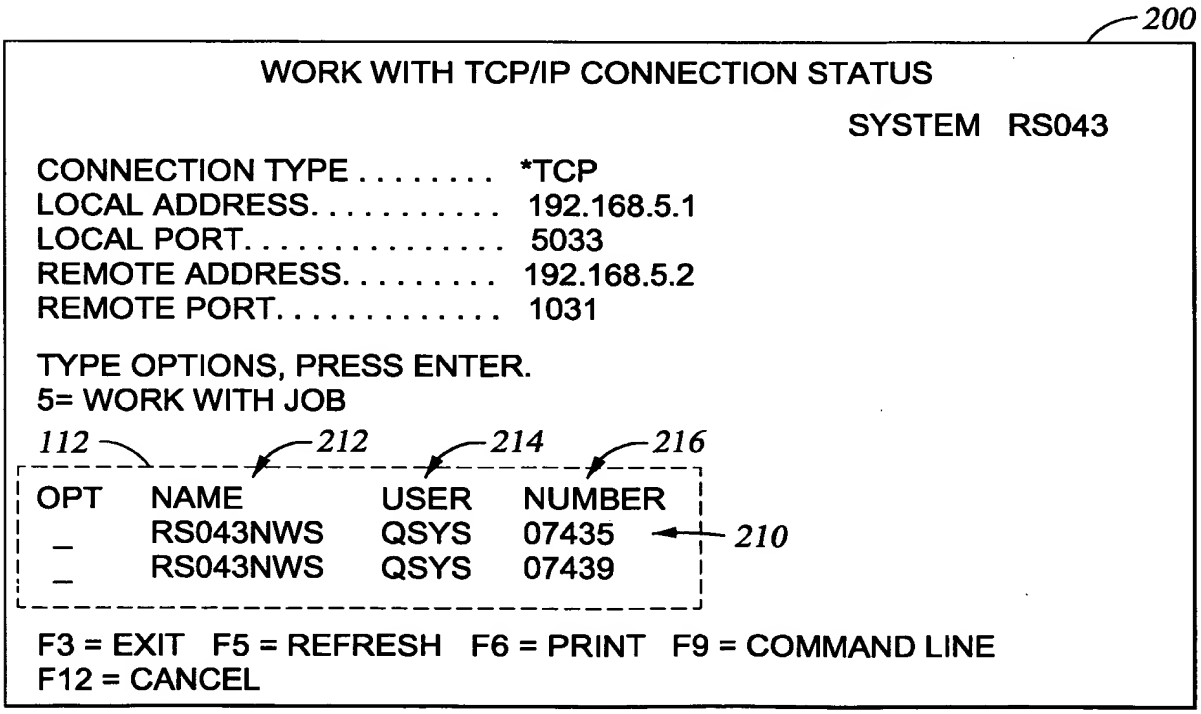
200
WORK WITH TCP/IP CONNECTION STATUS
SYSTEM RS043
CONNECTION TYPE . . . . . *TCP
LOCAL ADDRESS. 192.168.5.1
LOCAL PORT. 5033
REMOTE ADDRESS. 192.168.5.2
REMOTE PORT. 1031
TYPE OPTIONS, PRESS ENTER.
5= WORK WITH JOB
112
212
214
216
OPT NAME USER NUMBER
_ RS043NWS QSYS 07435
_ RS043NWS QSYS 07439
210
F3 = EXIT F5 = REFRESH F6 = PRINT F9 = COMMAND LINE
F12 = CANCEL

Fig. 2B

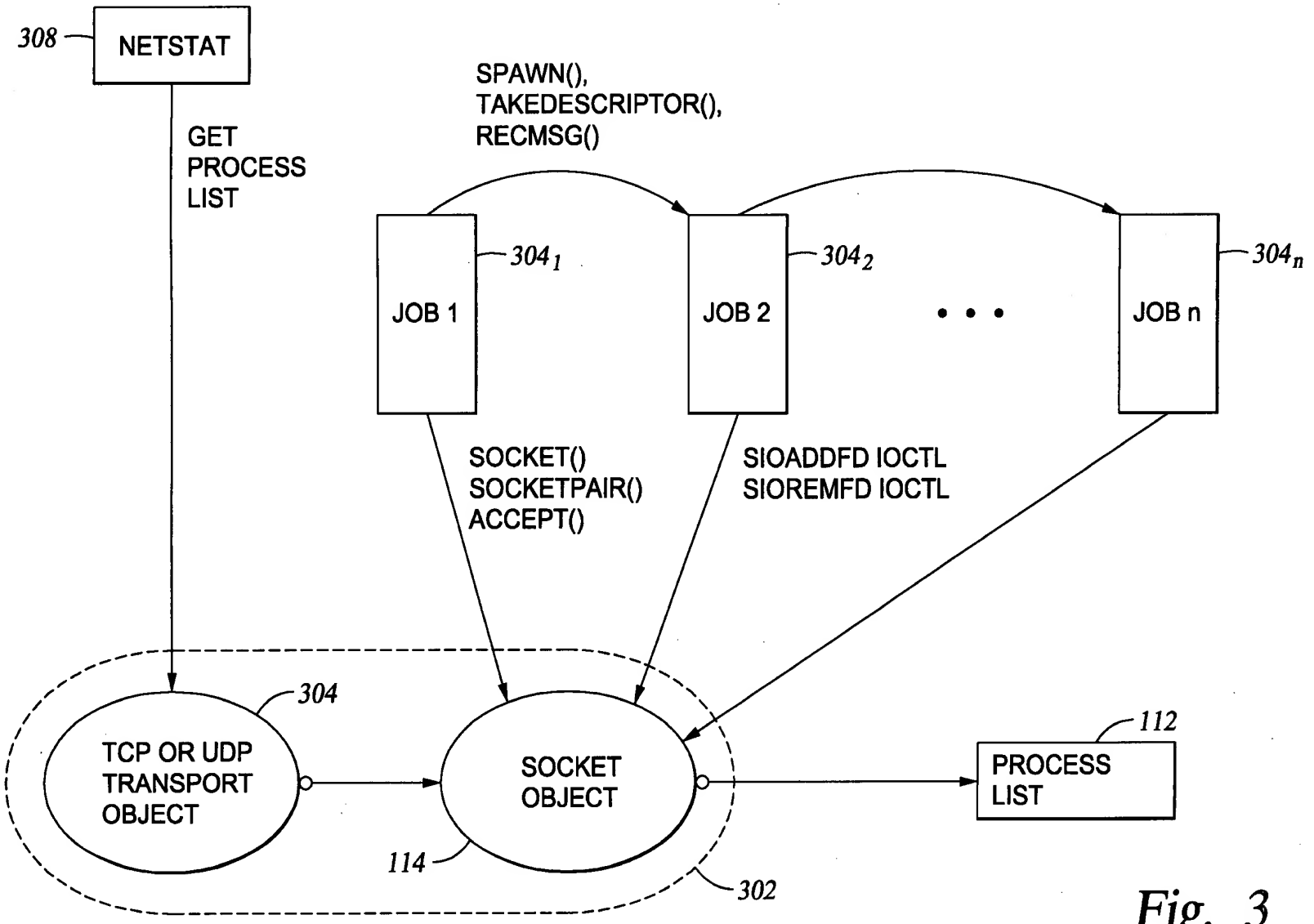
308
NETSTAT
GET
PROCESS
LIST
SPAWN(),
TAKEDESCRIPTOR(),
RECMSG()
JOB 1
304 1
JOB 2
304 2
JOB n
304 n
SOCKET()
SOCKETPAIR()
ACCEPT()
SIOADDFD IOCTL
SIOREMFD IOCTL
304
TCP OR UDP
TRANSPORT
OBJECT
SOCKET
OBJECT
114
112
PROCESS
LIST
302

Fig. 3

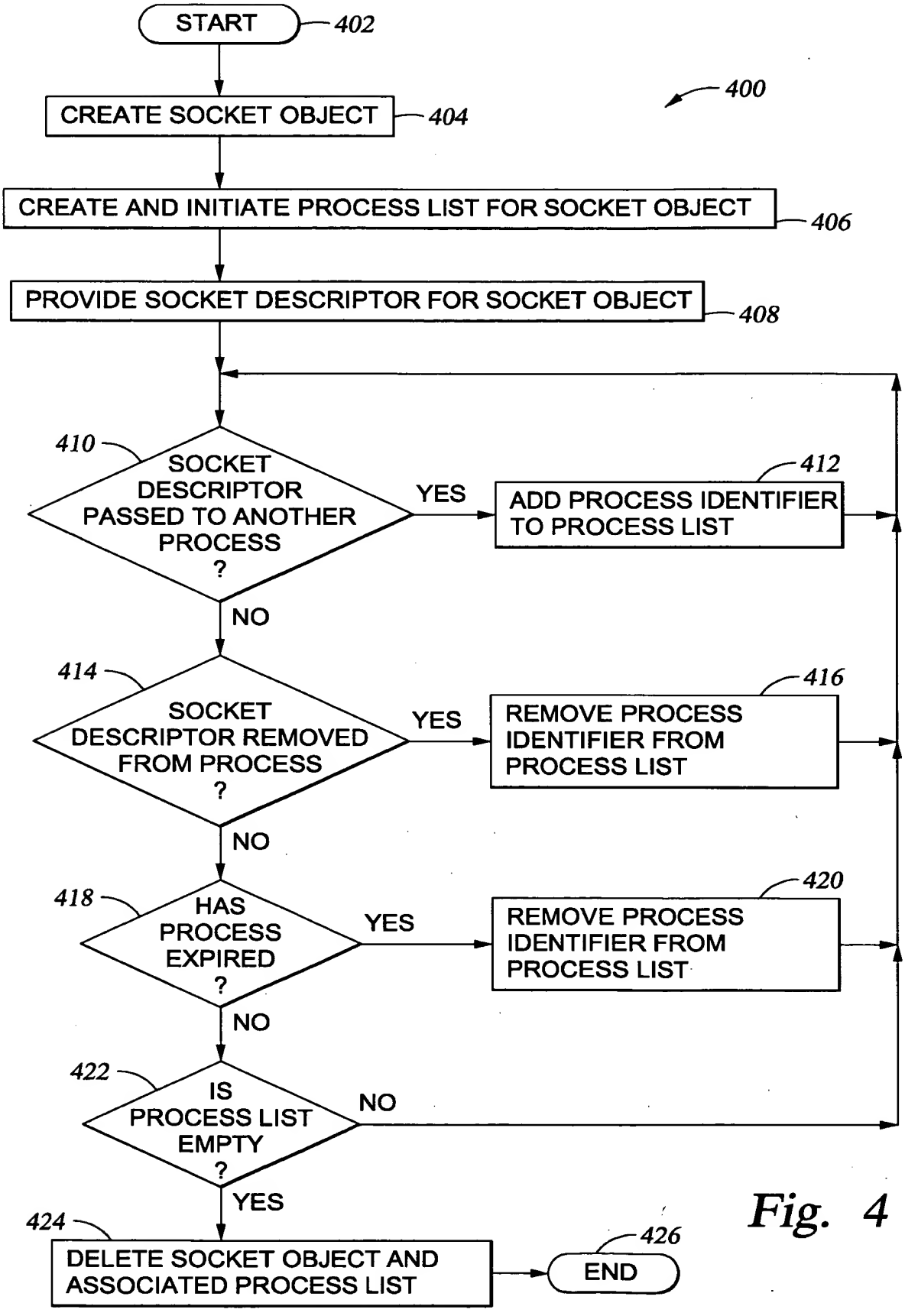
START
402
400
CREATE SOCKET OBJECT
404
CREATE AND INITIATE PROCESS LIST FOR SOCKET OBJECT
406
PROVIDE SOCKET DESCRIPTOR FOR SOCKET OBJECT
408
410
SOCKET DESCRIPTOR PASSED TO ANOTHER PROCESS ?
YES
412
ADD PROCESS IDENTIFIER TO PROCESS LIST
NO
414
SOCKET DESCRIPTOR REMOVED FROM PROCESS ?
YES
416
REMOVE PROCESS IDENTIFIER FROM PROCESS LIST
NO
418
HAS PROCESS EXPIRED ?
YES
420
REMOVE PROCESS IDENTIFIER FROM PROCESS LIST
NO
422
IS PROCESS LIST EMPTY ?
NO
YES
424
DELETE SOCKET OBJECT AND ASSOCIATED PROCESS LIST
426
END

Fig. 4